

Mouse TNF Alpha, His Tag, CHO

Catalog Number LDG043PMM

Package 5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Affinity Tag

His Tag (C-term)

Purity

>95% as determined by SDS-PAGE analysis.

Activity

Measured by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D, with the ED50 being < 50 pg/mL.

Mycoplasma

Not detected.

Expression system

CHO

Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Molecular weight

The protein has a calculated MW of 18.08 kDa. The protein migrates as 14-16 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

Form

Lyophilized

Background

Tainan Headquarter

+886-6-2536677

bd@leadgene.com.tw

Innovation & Research Center

+886-2-27065528

CLD Center

+886-6-2536677

Background

Tumor Necrosis Factor Alpha (TNF-alpha) is a pro-inflammatory cytokine involved in systemic inflammation and the acute phase reaction. It plays a significant role in autoimmune diseases, cancer, and infectious diseases and is a target for anti-inflammatory therapies.

Uniprot ID

P06804

Synonyms

Tumor necrosis factor, Cachectin, Tumor necrosis factor ligand superfamily member 2, TNF-a

Sequence Note

Leu80-Leu235

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

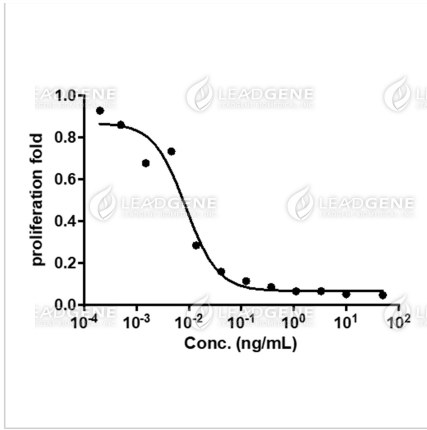
This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
 - -20°C or -80°C for 1 month under sterile conditions after reconstitution.
- Avoid repeated freeze/thaw cycles.

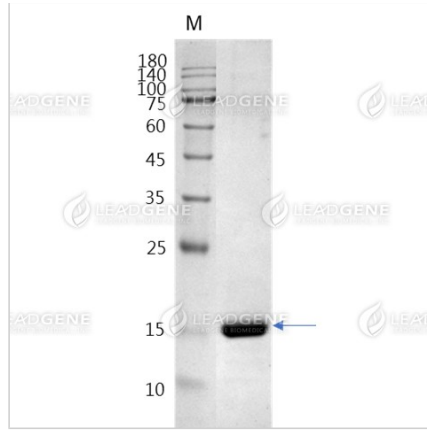
Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image



Mouse TNF Alpha, His Tag, CHO (LDG043PMM) induces cytotoxicity in L929 cells in the presence of actinomycin D, with the ED50 being < 50 pg/mL.



SDS-PAGE analysis of recombinant mouse TNF-alpha.

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